

MSU 4.1-541
Appl. No. 09/761,143
Amdt. Dated: July 21, 2008
Reply to Office Action mailed April 29, 2008

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS

1. (Currently Amended) A method for inhibiting cyclooxygenase or prostaglandin H synthase enzymes which comprises:

(a) providing a dried, powdered mixture comprising ~~of an isolated~~ cyanidin and ~~mixed with a lyophilized~~ an anthocyanin which is hydrolyzable to cyanidin, with natural acids and sugars removed, and with an added food grade acid to prevent decomposition of the dried mixture so that the cyanidin and anthocyanin inhibit the enzymes; and

(b) inhibiting the enzymes using the dried mixture so that the anthocyanin is hydrolyzed to the cyanidin.

2. (Cancelled)

MSU 4.1-541
Appl. No. 09/761,143
Amdt. Dated: July 21, 2008
Reply to Office Action mailed April 29, 2008

3. (Original) The method of Claim 1 wherein the method is
in vitro.

4. (Original) The method of Claim 1 wherein the method is
in vivo.

5. (Previously Presented) The method of Claim 1 wherein
the mixture is from a tart cherry.

6. (Previously Presented) The method of Claim 1 wherein
the mixture is from a sweet cherry.

Claims 7-14 (Cancelled)

15. (Currently Amended) The method of Claim 1 wherein the
mixture of cyanidin and anthocyanin is anthocyanin ~~are~~
contained in a composition which further comprises a
dried mixture of bioflavonoids and phenolics from
cherries and a food grade carrier.

MSU 4.1-541
Appl. No. 09/761,143
Amdt. Dated: July 21, 2008
Reply to Office Action mailed April 29, 2008

16. (Original) The method of Claim 15 wherein the carrier is dried cherry pulp.

17. (Previously Presented) The method of Claim 15 wherein a ratio of dried mixture to carrier is between about 0.1 to 100 and 100 to 0.1.

18. (Previously Presented) The method of Claim 1 wherein the compound is incorporated into a food.

Claims 19-26 (Cancelled)

27. (Currently Amended) A method for inhibiting inflammation by inhibiting cyclooxygenase or prostaglandin H synthase enzymes in the gut of a mammal which comprises:

(a) administering to the mammal providing
a dried, powdered mixture comprising of an isolated
cyanidin and mixed with a lyophilized an anthocyanin
which is hydrolyzable to cyanidin with natural acids and
sugars removed, and with an added food grade acid to

MSU 4.1-541
Appl. No. 09/761,143
Amdt. Dated: July 21, 2008
Reply to Office Action mailed April 29, 2008

prevent decomposition of the dried mixture ~~so that the~~
~~mixture inhibits the inflammation; and~~

(b) inhibiting the inflammation in the gut
of the mammal using the dried mixture, so that the
anthocyanin is hydrolyzed to the cyanidin in the gut of
the mammal.

28. (Previously Presented) The method of Claim 27 wherein
the mixture is from a tart cherry.

29. (Previously Presented) The method of Claim 27 wherein
the mixture is from a sweet cherry.

30. (Previously Presented) The method of Claim 27 wherein
the mammal is human.

Claims 31-33 (Cancelled)

MSU 4.1-541
Appl. No. 09/761,143
Amdt. Dated: July 21, 2008
Reply to Office Action mailed April 29, 2008

34. (Previously Presented) The method of Claim 27 wherein the anthocyanin is selected from the group consisting of cyanidin-3-glucosylrutinoside, cyanidin-3-rutinoside, or cyanidin-3-glucoside, and mixtures thereof.

35. (New) The method of Claim 1 wherein the food grade acid is ascorbic acid.

36. (New) The method of Claim 27 wherein the food grade acid is ascorbic acid.